



Hybrid Inverters The Perfect Combination of Inverter and Solar Charge Controller

Basic Information

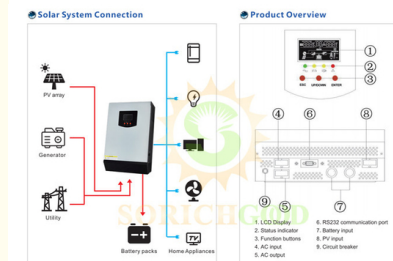
- Place of Origin: China
- Brand Name: GFS
- Certification: CE
- Model Number: HFPSWHI
- Minimum Order Quantity: 50 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



GFS-HFMII SERIES High Frequency Pure Sine Wave Hybrid Inverter

Product Specification

- Rated Power: 3000W/5000W
- MPPT Range @ Operating Voltage: 120-450VDC
- Max PV Array Power: 4000W/6000W
- Efficiency (Peak): 93%
- Max Solar Charge Current: 100A
- AC Voltage Regulation (Battery Mode): 230VAC \pm 5%
- Highlight: 100a hybrid inverters, 3000w hybrid inverters, 100a mppt solar charge controller



GFS-HFMII SERIES High Frequency Pure Sine Wave Hybrid Inverter-1

Product Description

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Product Description

This is a multi-function inverter/charger, combining function of inverter, solar charger and AC charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers userconfigurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Main Features

- High efficiency pure sine wave inverter, Wide PV input range, large current intelligent 3-stage AC charging.
- Surges to 2X continuous power for 5 seconds for motor loads.
- Intelligent functionality enables utility and solar input prioritization.
- Wide utility input range.
- Field serviceable with replacement boards and spare parts.
- Monitor, troubleshoot, or communication with USB/RS 232.
- System configures quickly into compact, wall-mounted system.
- This series inverters can work without batteries when there is the sun.

Product Description

This hybrid inverter combines the functionalities of an inverter, solar charge controller, and AC charger, offering seamless power management for various energy sources. The unit integrates a wide PV input range, high peak efficiency, and robust protection features, making it ideal for off-grid and backup power applications. Equipped with a user-friendly LCD interface, the device allows easy configuration for battery charging current, PV/AC priority, and input voltage range adjustments.

Rated Power 3000W 5000W			
INPUT			
Voltage 230VAC			
Selectable Voltage Range	170-280 VAC(For Personal Computers); 90-280 VAC (For Home Appliances)		
Frequency 50 Hz/60 Hz (Auto sensing)			
OUTPUT			
AC Voltage Regulation(Batt.Mode)		230VAC±5%	
Peak Power	7000VA		11000VA
Efficiency(Peak)		93%	
Transfer Time		10 ms (For Personal Computers); 20 ms (For Home Appliances)	

Waveform		Pure sine wave	
BATTERY			
Battery Voltage	24VDC		48VDC
FloatingCharge Voltage	27VDC		54VDC
Overcharge Protection	33VDC		60VDC
sOLAR CHARGER &ACCHARGER			
Maximum PV array open circuitvoltage	500VDC		500VDC
MAX PV array power	4000W		6000W
MPPT range@operating voltage	120-450VDC		120-450VDC
Max.Solar charge current	100A		80A

Max.AC charge current	60A	60A
Max charge current	100A	100A
PHYSICAL		
Dimension,,D*W*H(mm)	125*300*470	
Net weight(kg)	7	7.6

Communication Interface	RS232
Optional function	BMS/WIFI/4G
ENVIRONMENT	
Humidity	5%to 95%Relative Humidity (Non-condensing)

Operating Temperature	0°C-50°C
Storage Temperature	-15°C-60°C
Note:can be customized according to customer requirements	

Application

This hybrid inverter is well-suited for residential and commercial applications requiring reliable power backup or off-grid energy solutions. It can be used in areas with intermittent power supply, integrating with solar energy systems to reduce reliance on the grid. It is ideal for home appliances, offices, and other energy-demanding setups where solar power is the primary source or as a supplement to conventional grid power.

Shipping Methods

Supports global air and sea shipping.



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